

Converting Colors

XYZ(38.7332, 29.5017, 82.2502)

Have a look what the booklet for
XYZ(38.7332, 29.5017, 82.2502)
contains.

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Color

**XYZ(38.7332, 29.5017,
82.2502)**

Conversions

Conversions Part 1

Format	Color
Hex	A87FEB
RGB	168, 127, 235
RGB Percent	66%, 50%, 92%
CMY	0.3412, 0.5019, 0.0784
CMYK	0.29, 0.46, 0.00, 0.08
HSL	263°, 73%, 71%
HSV	263°, 46%, 92%
XYZ	38.7332, 29.5017, 82.2502
YIQ	151.5710, -10.2320, 42.2800

Conversions

Conversions Part 2

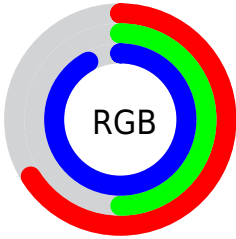
Format	Color
R _Y B	168, 127, 235
Decimal	11042795
CIE Lab	61.22, 37.84, -49.01
CIE LCh	61, 61.917, 307.676
Yxy	29.5017, 0.2574, 0.1960
Android (android.graphics.Color)	4289232875 (0xFFA87FEB)
YUV	151.5710, 41.1305, 14.4082
Hunter-Lab	54.3155, 32.2390, -51.7623

Details

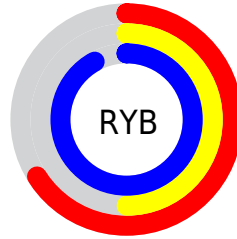
The XYZ color **38.7332, 29.5017, 82.2502** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **55.7877, 72.4188, 31.1175**, and the grayscale version is **29.4932, 31.0292, 33.7908**.

A 20% lighter version of the original color is **65.4226, 55.8701, 101.9436**, and **17.6006, 12.0731, 44.0505** is the 20% darker color. If you saturate the color by 10%, you get **33.1131, 22.6127, 81.2172**, and if you desaturate by 10%, it is **45.4113, 37.9878, 83.5367**.

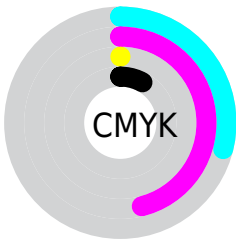
Distribution



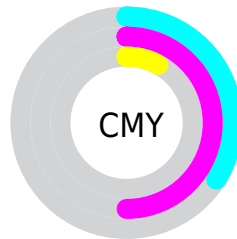
- Red (66%)
- Green (50%)
- Blue (92%)



- Red (66%)
- Yellow (50%)
- Blue (92%)



- Cyan (29%)
- Magenta (46%)
- Yellow (0%)
- Black (8%)



- Cyan (34%)
- Magenta (50%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7332, 29.5017, 82.2502 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 38.7332, 29.5017, 82.2502 by changing the saturation by 10% instead.

■ 38.7332, 29.5017,
82.2502

■ 38.7332, 29.5017,
82.2502

331.9816,
299.5748, 522.3896

■ 26.7320, 19.4607,
61.0348

■ 72.5272, 58.8732,
138.3646

■ 17.5076, 12.0036,
43.8225

■ 95.0508, 78.9726,
174.1007

■ 10.6946, 6.7461,
30.1948

■ 121.8126,
103.1934, 215.5141

■ 5.9276, 3.3039,
19.7332

153.1779,
131.9202, 263.0234

■ 2.8414, 1.2923,
12.0191

189.5121,
165.5374, 317.0470

■ 1.0704, 0.1353,
6.6340

231.1805,

■ 0.0002, 0.0000,

204.4293, 378.0036

3.1593

278.5486,
248.9803, 446.3116

■ 0.0000, 0.0000,
1.1766

■ 0.0000, 0.0000,
0.0000

■ 38.7332, 29.5017,
82.2502

■ 38.7332, 29.5017,
82.2502

■ 33.1131, 22.6127,
81.2172

■ 45.4113, 37.9878,
83.5367

■ 28.4861, 17.2116,
80.4186

■ 53.2000, 48.1634,
85.0903

■ 24.7851, 13.1806,
79.8356

■ 62.1522, 60.1177,
86.9259

■ 21.9312, 10.3811,
79.4457

■ 72.3163, 73.9328,
89.0568

■ 19.8294, 8.6433,
79.2210

■ 83.7378, 89.6852,
91.4953

■ 19.1360, 8.1327,
79.1590

■ 91.9955, 98.7782,
92.8152

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.1830, 29.5017, 100.1500



38.7332, 29.5017, 82.2502



45.1496, 29.5017, 52.3291

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



38.7332, 29.5017, 82.2502



34.4142, 29.5017, 5.9428



15.2158, 29.5017, 38.4880

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



38.7332, 29.5017, 82.2502



55.7877, 72.4188, 31.1175

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



15.9131, 29.5017, 17.9295



38.7332, 29.5017, 82.2502



26.0018, 29.5017, 5.0334

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



38.7332, 29.5017, 82.2502



42.3386, 29.5017, 11.7792



19.5225, 29.5017, 8.1059



17.3893, 29.5017, 68.0364

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.7332, 29.5017, 82.2502



46.7619, 29.5017, 33.9740



19.5225, 29.5017, 8.1059



15.1312, 29.5017, 30.3392

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



38.7343, 29.5028, 82.2509



77.0162, 75.3386, 105.0904



43.3535, 49.7208, 85.9099



15.9459, 15.3984, 22.3817



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.7343, 29.5028, 82.2509



40.2995, 27.7488, 97.8398



52.2827, 36.4872, 82.8849



14.7717, 14.8276, 19.0057



10.7810, 4.5937, 44.0614



0.9506, 0.4143, 3.4647

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



51.5886, 36.7368, 55.4111



57.9740, 37.7172, 59.9500



44.5926, 66.6475, 30.5936



15.4583, 15.2112, 17.6989



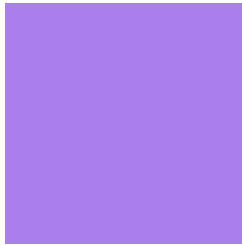
22.0101, 11.0067, 16.3862



1.7749, 0.8829, 1.5319

Previews

White Background



This preview shows how the XYZ color 38.7332, 29.5017, 82.2502 looks on a white background.

Color Contrast Check

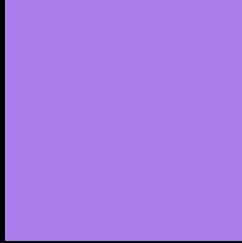
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 38.7332, 29.5017, 82.2502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

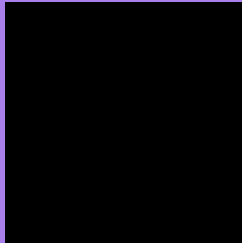
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.7332, 29.5017, 82.2502

Background



This preview shows how black text looks on a background with the XYZ color 38.7332, 29.5017, 82.2502.

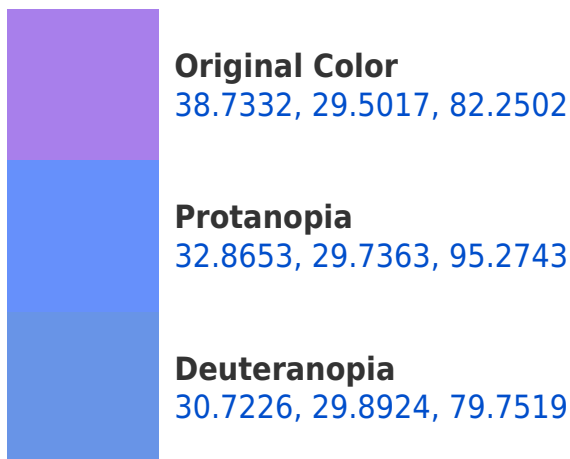


This preview shows how white text looks on a background with the XYZ color 38.7332, 29.5017,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia

29.2630, 29.4234, 35.5894

Trichromacy



Original Color

38.7332, 29.5017, 82.2502

Protanomaly

34.1741, 29.2051, 90.2222

Deuteranomaly

32.6960, 29.0944, 80.2364

Tritanomaly

31.9460, 28.9488, 49.8029

Monochromacy



Original Color

38.7332, 29.5017, 82.2502

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

32.3665, 30.2914, 48.3969

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7332, 29.5017, 82.2502 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(168, 127, 235)` looks like.

```
.text, #text, p{  
    color:rgb(168, 127, 235)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(168, 127, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 127, 235) }
```

Border

The CSS property to change the border of an element to XYZ 38.7332, 29.5017, 82.2502 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(168, 127, 235) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(168, 127, 235) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(168, 127, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 127, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 127, 235);  
box-shadow:4px 4px 4px 4px rgb(168, 127,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7332, 29.5017, 82.2502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 127, 235) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(168,  
127, 235) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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